

IN THE CLAIMS

Please amend claims 5, 18 and 20, as follows:

Claim 1 (Cancelled)

1 2.(Previously presented) The method of claim 5 wherein the
2 content of the second information units is the same as the content
3 of the first information units.

1 3.(Previously presented) The method of claim 5 wherein the
2 units are data frames or packets of data.

1 4.(Previously presented) The method of claim 5 wherein
2 monitoring is performed by the transmitting station based on
3 information provided by the receiving station.

1 5.(Currently amended) A method of transferring traffic
2 information in units over a wireless digital communications link

3 between a transmitting station and a receiving station comprising
4 ~~the steps of:~~

5 transmitting first information units at a first power level;
6 monitoring if correct reception of the transmitted units
7 occurred; and

8 transmitting second information units associated with the
9 first information units, for which first information units the
10 monitoring did not indicate correct reception occurred, at a second
11 power level which is greater than the first power level, the second
12 information units allowing the content of the first information
13 units to be established;

14 wherein the first power level is selected to increase a
15 probability of failed first information units transmission and of
16 consequent second information units transmission and to minimize
17 average power consumption taking into account the first power level
18 and the second power level, said first power level being the lowest
19 level to correspond to a maximum allowable probability of failed
20 first information units transmission and said consequent second
21 information units transmission.

Claims 6-7 (Cancelled)

1 8. (Previously presented) The communication system of claim 12
2 wherein the content of the second information units is the same as
3 the content of the first information units.

1 9. (Previously presented) The transmitter station of claim 13
2 wherein the content of the second information units is the same as
3 the content of the first information units.

1 10. (Previously presented) The communication system of claim 12
2 wherein the system is a cellular mobile radio telephone system.

1 11. (Previously presented) The transmitter station of claim 13
2 wherein the transmitter station is employed as a component of a
3 cellular mobile radio telephone system.

1 12. (Previously presented) A digital wireless communications
2 system comprising:

3 at least one transmitter having means for transmitting first
4 information units at a first power level;

5 at least one receiver having means for receiving the
6 transmitted information units;

7 control means for controlling the transmitter output power; and
8 monitoring means for monitoring if correct reception of the
9 transmitted units occurred at the receiver,

10 wherein the transmitting means transmits second information
11 units associated with the first information units for which first
12 information units the monitoring means does not indicate correct
13 reception has occurred, the second information units being
14 transmitted at a second power level that is greater than the first
15 power level, the second power level being selected by the control
16 means, and wherein the second information units allow the content of
17 the first information units to be established, and

18 wherein the control means selects the first power level to
19 control the average power consumption of the transmitter in order to
20 increase a probability of failed first information units
21 transmission and of consequent second information units transmission
22 and to minimize average power consumption taking into account the
23 first power level and the second power level.

1 13. (Previously presented) A transmitter station for digital
2 wireless transmission of traffic information to a receiver, said
3 transmitter station comprising:

4 a transmitter for transmitting first information units at a
5 first power level;

6 control means for controlling the transmitter output power; and
7 monitoring means for monitoring if correct reception of the
8 transmitted units occurred at the receiver,

9 wherein the transmitter transmits second information units
10 associated with the first information units for which first
11 information units the monitoring means does not indicate correct
12 reception has occurred, the second information units being
13 transmitted at a second power level that is greater than the first
14 power level, the second power level being selected by the control
15 means, and wherein the second information units allow the content of
16 the first information units to be established, and

17 wherein the control means selects the first power level to
18 control the average power consumption of the transmitter in order to
19 increase a probability of failed first information units
20 transmission and of consequent second information units transmission

21 and to minimize average power consumption taking into account the
22 first power level and the second power level.

1 14. (Previously presented) A method of transferring traffic
2 information in units over a wireless digital communications link
3 between a transmitting station and a receiving station comprising
4 the steps of:
5 transmitting first information units at a first power level;
6 monitoring if correct reception of the transmitted units
7 occurred; and
8 transmitting second information units associated with the first
9 information units, for which first information units the monitoring
10 did not indicate correct reception occurred, at a second power level
11 which is greater than the first power level, the second information
12 units allowing the content of the first information units to be
13 established;
14 wherein the first power level is selected to control the
15 average power consumption of the transmitting station in order to
16 increase a probability of failed first information units
17 transmission and of consequent second information units transmission

18 and to minimize average power consumption taking into account the
19 first power level and the second power level.

1 15. (Previously presented) A transmitter station comprising:
2 a transmitter which transmits first information at a first
3 power level and transmits second information which includes at least
4 portions of said first information at a second power level upon
5 indication that said at least portions have not been correctly
6 received by a receiver, said second power level being greater than
7 said first power level; and
8 a controller which selects said first power level to increase a
9 probability of said at least portions that have not been correctly
10 received by said receiver and of consequent transmission of said at
11 least portions at said second power level to minimize average power
12 consumption taking into account the first power level and the second
13 power level.

1 16. (Previously presented) A method of transferring information
2 in units over a wireless digital communications link between a
3 transmitting station and a receiving station, the method comprising:
4 transmitting first information units at a first power level;

5 monitoring if correct reception of the transmitted units
6 occurred; and

7 transmitting second information units associated the first
8 information units, for those first information units for which
9 monitoring did not indicate correct reception occurred, at a second
10 power level that is greater than the first power level, the second
11 information units allowing the content of the first information
12 units to be established,

13 wherein the second information units include forward error
14 correction information associated with the first information units.

1 17. (Previously presented) The method of claim 16, wherein the
2 forward correction information is enhanced.

1 18. (Currently amended) A method of transferring information
2 in units over wireless digital communications link between a
3 transmitting station and a receiving station, comprising:

4 transmitting first information units at a first power level;
5 monitoring if correct reception of the transmitted units
6 occurred; and

7 transmitting second information units associated the first
8 information units, for those first information units for which
9 monitoring did not indicate correct reception occurred, at a second
10 power level that is greater than the first power level, the second
11 information units allowing the content of the first information
12 units to be established,

13 transmitting further information units, associated with the
14 first and second information units, for those second information
15 units for which monitoring did not indicate correct reception
16 occurred, at at least one third power level, the third information
17 units allowing the content of the first and/or second information
18 units to be established, with each successive power level after the
19 second progressively increasing,

20 wherein the first power level is selected to control average
21 power consumption of the transmitting station in order to increase a
22 probability of failed first information units transmission and of
23 consequent second information units transmission and to minimize the
24 average power consumption taking into account the first power level
25 and the second power level.

1 19. (Previously presented) The method of claim 18, wherein,
2 after a predetermined limit of further transmissions related to the
3 first information units, new information not related to the first
4 information units is transmitted.

1 20. (Currently amended) A method of transferring traffic
2 information in units over a wireless digital communications link
3 between a transmitting station and a receiving station comprising
4 the steps of:

5 transmitting first traffic information units at a first power
6 level;

7 monitoring if correct reception of the transmitted units
8 occurred; and

9 transmitting second information units associated with the
10 first information units, for which first information units the
11 monitoring did not indicate correct reception occurred, at a second
12 power level which is greater than the first power level, the second
13 information units allowing the content of the first information
14 units to be established

15 wherein

16 the first traffic information is of a nature that must be
17 received in real-time by a user; and

18 the second information is transmitted sufficiently quickly and
19 with sufficient increased power so that a delay perceived by the
20 user in successful reception of the first traffic information is
21 below a desired threshold, and

22 wherein the first power level is selected to control average
23 power consumption of the transmitting station in order to increase a
24 probability of failed first information units transmission and of
25 consequent second information units transmission and to minimize the
26 average power consumption taking into account the first power level
27 and the second power level.

Claim 21 (Cancelled)

1 22. (Previously presented) The method of claim 20 wherein the
2 content of the second information units is the same as the content
3 of the first information units.

1 23. (Previously presented) The method of claim 20, wherein the
2 content of the second information comprises a portion of the
3 content of the first transmission units.

1 24. (Previously presented) The method of claim 20, wherein the
2 second information comprises error correction information.

1 25. (Previously presented) The method of claim 24, wherein the
2 error correction information comprises forward error correction
3 information.

1 26. (Previously presented) The method of claim 24, wherein the
2 second information comprises enhanced error correction information.

1 27. (Previously presented) The method of claim 25, wherein the
2 enhanced error correction information comprises enhanced forward
3 error correction information.

1 28. (Previously presented) The method of claim 20 wherein the
2 units are data frames or packets of data.

1 29. (Previously presented) The method of claim 20 wherein
2 monitoring is performed by the transmitting station based on
3 information provided by the receiving station.

1 30. (Previously presented) The method of claim 20, wherein
2 transmitting second information units comprises a plurality of
3 transmissions of further information, which plurality comprises a
4 number of transmissions that is less than or equal to a threshold
5 number, which threshold number depends upon a battery capacity of
6 the transmitting station.

1 31. (Previously presented) The method of claim 20, wherein the
2 transmitting of first information comprises at least one re-
3 transmission at the first power level prior to the transmission of
4 the second information.

1 32. (Previously presented) The method of claim 20, further
2 comprising, upon reception, combining the first and second
3 information to achieve recognition of an intended content.

Claims 33-38 (Cancelled)